B6 samples to solve. If no, then the method ends at step 326. If there are more samples, execution continues at step 300.--

In the Claims

Please amend the claims as follows:

Cancel claims 4, 5, 7, 8, 12, 13, 15 and 16.

Add new claims 17 to 22 as follows:

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17. (New) The method of claim 1, wherein:

said step of calculating a noise estimate includes

if a current smoothed power estimate is greater than a product of a predetermined constant upconst and a prior noise estimate, then setting a current noise estimate equal to said product of said predetermined constant upconst and said prior noise estimate,

if said current smoothed power estimate is less than a product of a predetermined constant downconst and said prior noise estimate, then setting a current noise estimate equal to said product of said predetermined constant downconst and said prior noise estimate, and

else setting a current noise estimate equal to said current smoothed power estimate.

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18. (New) The method of claim 17, wherein:

said step of calculating a noise estimate further includes setting said predetermined constant upconst to limit increase in said noise estimate to less than 3 Db per second.

19. (New) The method of claim 17, wherein:

said step of calculating a noise estimate further includes setting said predetermined constant downconst to limit decrease in said noise estimate to less than 12 Db per second.

20. (New) The system of claim 9, wherein:

said noise suppression circuit operates to calculate a noise estimate by being operable to

set a current noise estimate equal to said product of said predetermined constant upconst and said prior noise estimate if a current smoothed power estimate is greater than a product of a predetermined constant upconst and a prior noise estimate,

set a current noise estimate equal to said product of said predetermined constant downconst and said prior noise estimate if said current smoothed power estimate is less than a product of a predetermined constant downconst and said prior noise estimate, and

else set a current noise estimate equal to said current smoothed power estimate.

21. (New) The system of claim 20, wherein:

said noise suppression circuit operates to calculate a noise estimate by being further operable to set said predetermined constant upconst to limit increase in said noise estimate to less than 3 Db per second.

22. (New) The system of claim 20, wherein:

said noise suppression circuit operates to calculate a noise estimate by being further operable to set said predetermined constant downconst to limit decrease in said noise estimate to less than 12 Db per second.